

# Oakland Federal Channel Beneficial Reuse Proposal



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**Problem:** For several years, the USACE has disposed of clean dredged sediment from the Oakland Federal Channel, nearly 1 million cubic yards annually, at the Deep Ocean Disposal Site due to the "Federal Standard" "least cost" contracting requirement.

**Potential Solution:** Conduct a pilot project that allows 50% of the sediment be disposed of in the Bay in exchange for 50% beneficial reuse of the sediment from the Oakland Federal Channel. Examine the cost associated with the pilot to see if this approach can satisfy the "Federal Standard" requirement

# IMPORTANCE OF BENEFICIAL USE

- Approximately 2-3 million cubic yards of sediment is dredged from the Bay annually
- The region has significant need for sediment for habitat restoration and adaptation. The Sediment for Survival Report identified dredged sediment as an important contributor (SFEI Dusterhoff et al. 2021)
- Using dredged sediment to raise site elevations is an effective means to restore marshes
- Oakland federal navigation channel is consistently the largest dredging project in the region

## **PROPOSED PILOT PROJECT:**

On a pilot basis, the USACE will solicit contractors to bid on a 50 percent In-Bay disposal and 50 percent beneficial use project for Oakland in 2022.

Examine bids and costs to determine if this is a feasible way to increase beneficial reuse for this project.

# PROPOSAL DEVELOPMENT

Conducted bid analysis for the project in 2020-2021

- Beneficial reuse cost approximately 5% more than beneficial reuse in 2020 and 20% more in 2021
- In-Bay disposal was estimate to be approximately half the cost of beneficial reuse.

# PROPOSAL CONSIDERATIONS

- LTMS In-Bay Disposal Target – 1 Million cy annually averaged over three years
- Individual In-Bay disposal site limits must be maintained
- Other projects request same percentage

# CONSIDERATIONS:

- LTMS In-Bay Disposal Target – 1 Million cy annually averaged over three years
  - ✓ Not anticipated to exceed
  - ✓ At beginning of three-year averaging period
- Individual In-Bay disposal site limits must be maintained
  - ✓ May need to adjust disposal sites for this or other projects
- Other projects request same percentage
  - ✓ Already occurring
  - ✓ Other projects are not limited by "Federal Standard"
  - ✓ Maintain consistency with Bay Plan and other regulations
  - ✓ Allows re-evaluation of federal contracting constraints

# NEXT STEPS

1. Memorandum of Understanding between LTMS agencies
2. BCDC Letter of Agreement amendment
3. Water Quality Certification/Waste Discharge amendment
4. Bid solicitation
5. Contract Award
6. Pilot Project



Commission Staff believes this pilot project can demonstrate a path to increased habitat restoration and beneficial reuse for USACE projects

**QUESTIONS?  
THANK YOU**

# POTENTIAL COURSES OF ACTION EXAMINED

## 1. **Single year split** – both in-bay/ beneficial reuse (BR) in same year

- Alternative 1A – Invitation for Bid (IFB) - Single bid
- Alternative 1B – IFB – Two alternate bids
- Alternative 1C – Request for Proposal (RFP)

## 2. **Two-year split** - 100% of project to in bay disposal site and beneficial reuse in each over two years

- Year 1 – All beneficial reuse
- Year 2 – All in-bay

Commission staff determined Two-year Split would not be consistent with Bay Plan policies